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The Approved for use through 10/31/2002. OMB 0651-0032
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UTILITY **PATENT APPLICATION TRANSMITTAL**

Attorney Docket No.		45191
First Inventor		Rhein, et al.
Title	BYPASS RECLC	SER ASSEMBLY

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(Only for new nonprovision	onal applications under 37 CFR 1.53(b)) Expre	ess Mail Label No.			
1	ATION ELEMENTS		DDRESS TO: B	ommission ox Patent A Vashington,	pplica	ition
1. Fee Transmittal for Submit an original and a Applicant claims See 37 CFR 1.27 3. Specification (preferred arrangeme - Descriptive title - Cross Reference - Statement Regeral - Reference to so or a computer - Background of - Brief Summan	Form (e.g., PTO/SB/17) a duplicate for fee processing) small entity status. 7. [Total Pages 15] nt set forth below) e of the invention ce to Related Applications garding Fed sponsored R & D equence listing, a table, program listing appendix f the Invention y of the Invention on of the Drawings (if filed)	7. 8. n a.	CD-ROM or CD-R Computer Progral Nucleotide and/or Amino (if applicable, all necessa Computer Read Specification Sequence i. CD-ROM i i. paper Statements verification Paper ACCOMPANYING Assignment Paper	R in duplication (Appendication (Appendication (Appendication)) able Form (Communication (Communication)) To CD-R (Communication (Communication)) To CD-R (Communication) To CD-R (Communication) To CD-R (Communication)	te, largix) ence (CRF) on: 2 copic by of all	ge table or Submission es); or bove copies ON PARTS & document(s))
- Abstract of the 4.	E Disclosure U.S.C. 113) [Total Sheets 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	10 11 12 13 14	English Translati Information Disc Statement (IDS) Preliminary Ame Return Receipt I (Should be speci	n assignee) ion Docume losure /PTO-1449 endment Postcard (N	ent (if a	Copies of IDS Citations
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 6. Application Data Sheet. See 37 CFR 1.76			15. Certified Copy of Priority Document(s) (if foreign priority is claimed) 16. Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. 17. Other:			
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: Continuation Divisional Continuation-in-part (CIP) Of prior application No.: Prior application information: Examiner Group Art Unit: For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.						
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City	Washington	State	D.C.	Zip C	ode	20036
Country	USA	Telephone	(202) 659-9076	Fa	ax .	(202) 659-9344
Name (Print/Type) Signature	Marcus R. Mickney	Re	egistration No. (Attorne	ey/Agent) Date	44,94 ال الم	5. 28, 2003

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FEE TRANSMITTAL for FY 2003

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Effective 01/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

Complete if Known			
Application Number	new		
Filing Date	8/29/03		
First Named Inventor	Rhein, et al.		
Examiner Name			
Art Unit		-	
Attorney Docket No.	45191		

METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)	FEE CALCULATION (continued)				
Check Credit card Money Other None	3. ADDITIONAL FEES					
Deposit Account:	Large Entity Small Entity					
Deposit Deposit	Fee Fee Fee Fee Description Fee Fee Fee Fee Fee Description					
Account	Code (\$) Code (\$) Figure 130 2051 65 Surcharge - late filing fee or oath	ee Paid				
Number Deposit	1052 50 2052 25 Surcharge - late provisional filing fee or					
Account Name	cover sheet					
The Director is authorized to: (check all that apply)	1053 130 1053 130 Non-English specification					
Charge fee(s) indicated below Credit any overpayments	1812 2,520 1812 2,520 For filing a request for ex parte reexamination					
Charge any additional fee(s) during the pendency of this application	on 1804 920* 1804 920* Requesting publication of SIR prior to Examiner action					
Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.	1805 1,840* 1805 1,840* Requesting publication of SIR after Examiner action					
FEE CALCULATION	1251 110 2251 55 Extension for reply within first month					
1. BASIC FILING FEE	1252 410 2252 205 Extension for reply within second month					
Large Entity Small Entity	1253 930 2253 465 Extension for reply within third month					
Fee Fee Fee Fee Description Fee Paid	1254 1,450 2254 725 Extension for reply within fourth month					
Code (\$) Code (\$) 1001 750 2001 375 Utility filing fee	1255 1,970 2255 985 Extension for reply within fifth month					
1002 330 2002 165 Design filing fee 750.00	1401 320 2401 160 Notice of Appeal					
1003 520 2003 260 Plant filing fee	1402 320 2402 160 Filling a brief in support of an appeal					
1004 750 2004 375 Reissue filing fee	1403 280 2403 140 Request for oral hearing					
1005 160 2005 80 Provisional filing fee	1451 1,510 1451 1,510 Petition to institute a public use proceeding					
SUBTOTAL (1) (\$) 750.00	1452 110 2452 55 Petition to revive - unavoidable					
	1453 1,300 2453 650 Petition to revive - unintentional					
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1501 1,300 2501 650 Utility issue fee (or reissue)					
Extra Claims below Fee Paid Total Claims 19 -20** = X	1502 470 2502 235 Design issue fee					
Independent	1503 630 2503 315 Plant issue fee					
Claims	1460 130 1460 130 Petitions to the Commissioner					
	1807 50 1807 50 Processing fee under 37 CFR 1.17(q)					
Large Entity Small Entity	1806 180 1806 180 Submission of Information Disclosure Stmt					
Code (\$) Code (\$)	8021 40 8021 40 Recording each patent assignment per property (times number of properties)					
1202 18 2202 9 Claims in excess of 20 1201 84 2201 42 Independent claims in excess of 3	1809 750 2809 375 Filing a submission after final rejection (37 CFR 1.129(a))					
1203 280 2203 140 Multiple dependent claim, if not paid	1810 750 2810 375 For each additional invention to be					
1204 84 2204 42 ** Reissue independent claims over original patent	examined (37 CFR 1.129(b)) 1801 750 2801 375 Request for Continued Examination (RCE)					
1205 18 2205 9 ** Reissue claims in excess of 20	1802 900 1802 900 Request for expedited examination					
and over original patent	of a design application Other fee (specify)					
SUBTOTAL (2) (\$)	*Poduced by Posis Filips For Poid					
**or number previously paid, if greater; For Reissues, see above	Reduced by Basic Filing Fee Paid SUBTOTAL (3) ((\$)					
SUBMITTED BY	(Complete (if applicable)					
Name (Print/Type) Marcus R. Mickney	Registration No. (Attorney/Agent) 44,941 Telephone 202-659-9076					

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This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.